

Date: Mon, 29 Nov 93 10:59:19 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1401
To: Info-Hams

Info-Hams Digest Mon, 29 Nov 93 Volume 93 : Issue 1401

Today's Topics:

 Actif 7X-Stations (Algeria)
 Aluminum towers
 ARLP047 Propagation de KT7H
 Calculating SWR
 Casual Contact Logging Program
 DSP units
 expensive?
 HF Priv for Advanced Licensee
How to find the answers to frequently-asked questions about Ham Radio
 Land-mobile-radio mailing list started
 Microwave Power Amps
 Odd Static Observed
 Reply to: INFO-HAMS DIGEST V93 #1091
 Some Tech Help Please
 Suggestions for mobile unit?
 Wanted: Tech study manual

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Nov 1993 12:59:01 GMT
From: swrinde!cs.utexas.edu!howland.reston.ans.net!xlink.net!scsing.switch.ch!
swidir.switch.ch!univ-lyon1.fr!cri.ens-lyon.fr!news.imag.fr!imag.fr!
layaida@network.ucsd.edu
Subject: Actif 7X-Stations (Algeria)
To: info-hams@ucsd.edu

here is the list of Actif Stations in North-Africa (Algeria),

7X2DG (jamel ghoumiri) very actif Phone/CW
7X2BK (Kamel Karoubi) very actif Phone/CW
7X2DB (Dahamane) very actif Phone/CW/VHF/RTTY/SSTV
7X2SX (Yakoubi Mohammed) Phone/CW (President of the Algerian
Radio-Amateur Association)
7X2DS (Seghir) actif Phone/CW/VHF/RTTY/SSTV
7X5KT (QSY to France Since 1992) actif (summer) Phone/CW/RTTY/SSTV

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LAYAIDA Nabil (7X2KT)
e-mail : Layaida.Nabil@imag.fr
Unite Mixte Bull-IMAG/Systemes
Projet: Schema de designation extensible
dans les systemes repartis 00

Date: 29 Nov 93 14:43:57 GMT
From: news-mail-gateway@ucsd.edu
Subject: Aluminum towers
To: info-hams@ucsd.edu

I'm interested in hearing about any good/bad experiences people have had with freestanding aluminum towers. I'm considering something like a Universal Mfg. 50' tower. I'd probably mount a small tri-bander on it (14 to 18' boom).

Thanks and 73,
Scott, WA2CJT

--

Scott Ginsburg Voice: 508-436-3836
Wellfleet Communications Internet: ginsburg@wellfleet.com
2 Federal St. Amateur Radio: WA2CJT
Billerica, MA 01821 Packet: wa2cjt@wa1phy.#ema.ma.usa.na

Date: Sat, 27 Nov 1993 01:03:24 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!gatech!concert!corpgate!
news.utdallas.edu!feenix.metronet.com!marcbg@network.ucsd.edu
Subject: ARLP047 Propagation de KT7H
To: info-hams@ucsd.edu

SB PROP @ ARL \$ARLP047 ARLP047 Propagation de KT7H
ZCZC AP09 QST de W1AW Propagation Forecast Bulletin 47
ARLP047 From Tad Cook, KT7H Seattle, WA November 24, 1993
To all radio amateurs

The bulletin this week is being sent two days early because of the holiday. The solar numbers and averages below are for six days. Next week's bulletin will give those numbers for eight days.

Solar flux was up about five points over the past week. The most disturbed day was Friday, November 19 at 0600z when the K index was six. Otherwise, geomagnetic indices have been stable, and solar activity has been low.

Conditions should be stable for the CQ Worldwide CW DX Contest this weekend, and solar flux should be under 100.

Disturbed conditions may return after the first of the month due to recurring coronal holes.

Sunspot Numbers from November 18 through 23 were 56, 59, 58, 78, 75 and 69, with a mean of 65.8. 10.7 cm flux was 102.6, 101.1, 100.5, 97, 99.3, and 100.4, with a mean of 100.2

The path projection for this week is from Chicago to Greece.

80 meters should be open from 1930z to 0730z, with the best time from 2200z to 0530z. 40 meters looks good from 1700z to 1000z, with the best shot from 2130z to 0600z. 30 meters should be open most days from 0530z to 0730z, and every day from 1330z to 2300z. 20 meters looks good from 1400z to 1730z. 17 meters should be open from 1500z to 1630z. 15 meters may be open on a few days over the same period. 10 and 12 meters do not look promising over this path.

NNNN

/EX

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	Marc Grant	
	Amateur Radio Station N5MEI	marcbg@metronet.com
	214-231-3998 (voice)	marcbg@esy.com
	214-231-0025 (fax)	

Date: 29 Nov 93 17:17:56 GMT
From: psinntp!psinntp!arrl.org@rutgers.rutgers.edu
Subject: Calculating SWR
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, jmorris@mu.apana.org.au (James Morris) writes:
>In article <1993Nov26.200816.19512@combdyn.com> lawrence@combdyn.com writes:
>>

>>How do you calculate SWR? I have a power meter...and I can measure the forward
>>and reflected power. How to I take the two values to determine the SWR?
>>

>>Right now I have forward power of 5 Watts and reflected power of 0.1 Watts,
>>what SWR would that correspond to?

>I am not trying to be mean, but did you sit a radio theory test for your
>amateur license ?

This would make an interesting essay test, particularly if you go into an error analysis with typical hardware. With professional hardware, the usual error people worry about is the directivity of the coupler, which limits how good an SWR you can measure. Some forward power leaks through and corrupts the reflected power measurement, with an ideal load. You can optimize a load for zero reflected power, but this is rarely the same as the ideal load.

Amateurs also have to worry about the non-linearity of their detectors, which is often substantial. This often accounts for the SWR varying as the power is changed--the SWR will apparently increase because the detector does a better job of measuring higher power levels. Better detectors have active compensation circuits, but these require power sources and often cost more.

With a coupler having 30 dB of directivity, I'd expect the SWR to be between 1.2 and 1.4. The non-linear detector effect generally makes the SWR measure better than actual.

Zack Lau KH6CP/1

Internet: zlau@arrl.org "Working" on 24 GHz SSB/CW gear
Operating Interests: 10 GHz CW/SSB/FM
US Mail: c/o ARRL Lab 80/40/20 CW
225 Main Street Station capability: QRP, 1.8 MHz to 10 GHz
Newington CT 06111 modes: CW/SSB/FM/packet
amtor/baudot
Phone (if you really have to): 203-666-1541

Date: Fri, 26 Nov 93 23:01:50 MST
From: swrinde!gatech!asuvax!ennews!stat!david@network.ucsd.edu
Subject: Casual Contact Logging Program
To: info-hams@ucsd.edu

I'm looking for a shareware/freeware logging program for HF contacts, something I can use for logging and a database. Does not have to be for contest use, can allow storage of additional information.

Any suggestions?

david wb7tpy

Editor, HICNet Medical Newsletter
Internet: david@stat.com FAX: +1 (602) 451-6135
Bitnet : ATW1H@ASUACAD

Date: Sat, 27 Nov 1993 16:55:47 GMT
From: munnari.oz.au!spool.mu.edu!agate!iat.holonet.net!pubcon!
brian.oakley@network.ucsd.edu
Subject: DSP units
To: info-hams@ucsd.edu

when talking about dsp units, in the future one might want to be more clear of what the unit does. dsp is used for many things from filtering to complex computer math applications. there are numerous applications for ham radio as well. im assuming you are talking about audio filters?
73 wb5kxw

Date: 29 Nov 93 15:36:21 GMT
From: news-mail-gateway@ucsd.edu
Subject: expensive?
To: info-hams@ucsd.edu

unknown writes,
>"I agree that it can be very expensive, but it does not have to be."

dan at mystis.wariat.org writes,
>I was SHOCKED to see that the mainstay computer in packet
>was the commodore 64. I have one, collecting dusting my basement for
>years.

About 4 years ago I traded my 64 for an Atlas 350XL, worth a whole lot more, (to me). What you have in your basement might be just what someone at a ham-fest is wanting.

```
#####
# Kenneth R.Tiernan N5PKA          | \   | :--- :---. | /   /\   #
# Internet: krt@ocpfcad.att.com    | \   | |     | | /   /\   #
# Packet: n5pka@wb5fwe.ok.usa.na  | \   | :--- |--- | /   /\   #
# Alternet Internate:              | \   | |     | | \   /\   #
# ken.tiernan@oubbs.telecom.uoknor.edu | \   | ___/ | | \   /\   #
#####
```

Date: 29 Nov 93 13:58:52 GMT
From: yeshua.marcam.com!wrdis02.robins.af.mil!lakeith@uunet.uu.net
Subject: HF Priv for Advanced Licensee
To: info-hams@ucsd.edu

David Dodell (david@stat.com) wrote:
: I'm just getting back on HF after a 15 year absence ... is there a
: server someplace that would have the list of available HF frequencies I
: can use with my Advanced license?

Try a message to info@arrl.org.

The body of the message should consist of the following lines:

HELP
INDEX
QUIT

That will get you a list of files available from the ARRL and instructions on how to request them..

Welcome back and 73,

Larry, KQ4BY

Date: Sun, 28 Nov 1993 02:44:04 GMT
From: munnari.oz.au!spool.mu.edu!sgiblab!pacbell.com!amdahl!thunder!
ikluft@network.ucsd.edu
Subject: How to find the answers to frequently-asked questions about Ham Radio
To: info-hams@ucsd.edu

Posted-By: auto-faq 3.1.1.3

Archive-name: ham-faq-ptr

How to find the Rec.radio.amateur.misc Frequently Asked Questions list

This article will tell you how to find the answers to frequently-asked Questions (FAQ) from rec.radio.amateur.misc. The FAQ articles are posted on the 7th of each month. This article is posted on the 14th, 21st, and 28th of every month as a reminder of where to find the FAQ.

The FAQ articles are intended to summarize some common questions on the rec.radio.amateur.misc newsgroup and Info-Hams mail list as well as to help beginners get started.

Besides the monthly posting, the FAQ is always available via anonymous FTP and from e-mail servers. This article contains instructions for obtaining a copy of the FAQ. It also contains the table of contents from the FAQ so that you know which questions are covered by it.

Please provide a copy of the FAQ to any new or soon-to-be Hams you know.

Regular FAQ postings can help save network bandwidth and maintain a good signal-to-noise ratio in the newsgroup. However, they can't do it alone - you, the reader, have to use them. If you are a new user, please print and review the FAQ articles and look at the instructions in the news.newusers newsgroup before posting any articles. If you are an experienced user, please help by refraining from answering frequently-asked questions on the newsgroup if they are already answered by the FAQ articles. Instead, send e-mail to the user who asked the question. (It will be helpful if you include the part of the FAQ that answers their question, but not the whole thing.)

--How to obtain a current copy of the FAQ-----

There are 3 ways to obtain a copy of the FAQ.

- 1) NetNews
- 2) Anonymous FTP
- 3) An Electronic Mail Server

Option #1: NetNews

If you are familiar enough with NetNews to look through previous articles on your system, Option #1 above may be the easiest for you. The FAQ is posted so that it should not expire from your site's news spool until the next one is posted. Unfortunately, some news administrators do not honor the expiration dates meant to preserve the FAQ.

Look in rec.radio.amateur.misc, rec.radio.info, rec.answers, or news.answers. If the FAQ has expired at your site, try Option #2 (and ask your news administrator to honor expiration dates for articles cross-posted to news.answers if he/she can.)

Option #2: Anonymous FTP

Anonymous FTP uses the File Transfer Protocol. It is only available to sites which are directly connected to the Internet. If you don't know how to use FTP and can't find a friend to help you, continue to Option #3. If your site is not connected to the Internet, you should also continue to Option #3.

The following sites have copies of the FAQ:

site name & address	path to FAQ articles
-----	-----
ftp.amdahl.com	pub/radio/amateur/faq.[1-3].Z located in western USA, FAQ updated daily
ftp.cs.buffalo.edu	pub/ham-radio/faq_ham_[1-3] located in eastern USA, FAQ updated monthly
rtfm.mit.edu	pub/usenet/news.answers/radio/ham-radio/faq/part* located in eastern USA, FAQ updated monthly contains news.answers archive - most UseNet FAQs are here
grivel.une.edu.au	pub/ham-radio/buffalo/ham-radio/faq_ham_[1-3] located in Australia, FAQ updated monthly (Ham files mirrored from buffalo/funet/ucsd daily)
nic.funet.fi	pub/ham/info/faq_ham_[1-3] located in Finland, FAQ updated monthly

Remember, when connecting to the remote system, use the login name of "anonymous" and, as a courtesy to the site administrators, your e-mail address for the password.

Option #3: Electronic Mail Server

If you can't use Options 1 or 2, your only remaining option is electronic mail. You can retrieve a copy of the FAQ by sending a message to mail-server@rtfm.mit.edu

The body of your mail will contain a command for the mail server software. To get all of the FAQ (consisting of 70K of e-mail in 3 parts), place the following in the first line of your message:
send usenet/news.answers/radio/ham-radio/faq/*

Leave out the subject of your message because the mail server will ignore it.

--- begin sample mail message ---
To: mail-server@rtfm.mit.edu
From: me@here.org

Date: Mon Aug 14 22:27:33 PDT 1995

send usenet/news.answers/radio/ham-radio/faq/*
--- end sample mail message ---

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--Submitting changes for the FAQ-----

If you have comments or updates for the FAQ, send e-mail to
hamradio-faq@amdahl.com

This will send mail to all the people on the FAQ editorial review group.

Date: Fri, 26 Nov 93 07:26:48 MST
From: swrinde!gatech!asuvax!ennews!stat!david@network.ucsd.edu
Subject: Land-mobile-radio mailing list started
To: info-hams@ucsd.edu

Welcome to the Land Mobile Radio Mailing List!

The purpose of this sig is to promote technical conversation regarding commercial land mobile two-way radio communications and associated systems and accessories. In addition to conversation buying, selling and trading of commercial land mobile equipment is allowed.

To Send Mail To Be Distributed To All Subscribers:

land-mobile-radio@stat.com

And Send Normal Subject And Text.

To Add Yourself To This List, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

subscribe land-mobile-radio

As The First Line of Your Message.

To Remove Yourself From This Server, Please Send Electronic Mail To:

listserv@stat.com

And Include The Command:

Unsubscribe land-mobile-radio

As The First Line of Your Message.

Requests For Help Should Be Sent To:

land-mobile-radio-request@stat.com

Editor, HICNet Medical Newsletter

Internet: david@stat.com

FAX: +1 (602) 451-6135

Bitnet : ATW1H@ASUACAD

Date: Mon, 29 Nov 1993 16:51:22 GMT

From: galaxy.ucr.edu!library.ucla.edu!europa.eng.gtefsd.com!darwin.sura.net!
fconvx.ncifcrf.gov!fcs260c!mack@network.ucsd.edu

Subject: Microwave Power Amps

To: info-hams@ucsd.edu

Jeff Kruth

K-MEC

2600 Cabover Dr, Suite H

Hanover MD, 21076

(410)-768-6666

Joe NA3T

mack@ncifcrf.gov

Date: Mon, 29 Nov 1993 15:04:58 GMT

From: library.ucla.edu!agate!howland.reston.ans.net!cs.utexas.edu!swrinde!sgiblab!
sgigate.sgi.com!olivea!news.bu.edu!att!att!bigtop!drutx!paul@network.ucsd.edu

Subject: Odd Static Observed

To: info-hams@ucsd.edu

I've been hearing the noise on the hf bands also...in fact at my QTH
(northern suburb of Denver) the noise is 10 over S9...at first I was
ready to go hunting for the noise...I was sure it had to be very close
to me because of the strength of the signal. But after talking to
several people from all over the western part of the US that were also
hearing it I gave up on that, in fact I was relieved to know that it
wasn't coming from something close by.

I know this isn't much help...but at least you know that it isn't
coming from your neighbors door bell transformer.

Paul Anderson WB0ZRD at AT&T Bell Labs in Denver.

Date: 20 Nov 93 01:41:00 GMT

From: news-mail-gateway@ucsd.edu
Subject: Reply to: INFO-HAMS DIGEST V93 #1091
To: info-hams@ucsd.edu

I'll be glad to forward you another copy.

Date: 28 Nov 1993 12:45:30 GMT
From: munnari.oz.au!spool.mu.edu!howland.reston.ans.net!paladin.american.edu!
gatech!usenet.ufl.edu!mailer.acns.fsu.edu!freenet2.scri.fsu.edu!
bischoff@network.ucsd.edu
Subject: Some Tech Help Please
To: info-hams@ucsd.edu

--
Bill Bischoff, NK40 |
Tallahassee, Florida | bischoff@freenet.scri.fsu.edu
(904) 893-6547 |

Date: 29 Nov 93 17:53:05 GMT
From: ogicse!uwm.edu!math.ohio-state.edu!howland.reston.ans.net!gatech!prism!
gt2913c@network.ucsd.edu
Subject: Suggestions for mobile unit?
To: info-hams@ucsd.edu

I'm gonna be in the market for a mobile unit shortly, preferably with
2m, 440, and *perhaps* something else.. (depending on cost :), and I
was wondering if anybody out there could kinda point me in the right
direction. I've got the new AES catalog (thanks to being a new ham :),
exam=>license in about 7 weeks... license=>catalog in about 5 more),
but I haven't been able to sit down w/ it yet. Somebody told me that
there was one that had 2m/440/CB on it, and that would be nice to have :)

Another major plus is if it's able to at least receive on the emergency
bands (since I'm an emergency responder), since my dept can't afford to
provide us all with radios yet *sigh*....

Please send all replies via e-mail.

-AWT
KE4FOJ

Date: 29 Nov 93 16:10:20 GMT
From: haven.umd.edu!cville-srv.wam.umd.edu!ham@uunet.uu.net
Subject: Wanted: Tech study manual
To: info-hams@ucsd.edu

We all know how many people here have been getting their no-code licenses.

I am looking to help someone recycle his or her license manual. I have a future mother- and father-in-law who need to get their licenses, and I spent the big bucks on the "Now You're Talking" book, the questions within which are no longer valid.

Any offers? Thanks, 73

Scott NF3I

--

73, ----- The

 \ / Long Original

Scott Rosenfeld Amateur Radio NF3I Burtonsville, MD | Live \$5.00

 WAC-CW/SSB WAS DXCC - 115 QSLed on dipoles -----| Dipoles! Antenna!

End of Info-Hams Digest V93 #1401

